

96. Electrically conductive

coating

WSC 87-09 248965
1341-4

87/08965 NDN-

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[IMAGE]

NO-AUTHOR

4 pp: Jap. Pat. Gaz. 1987, Vol 87 No 19, Gp G, 28.

PATENT NUMBER- JP 62/074967

PATENT CODE JU

DOCUMENT TYPE- Patent

COUNTRY- Japanese Unexamined Patent

MAIN HEADING- Chelating Agents; Conductive Coatings; Copper;
Surfactants

PATENT ASSIGNEE(S)- TATSUTA DENSEN CO

ISSUE OF ORIGINATION- 8711

LANGUAGE- Japanese

The coating contains a thermosetting resin, e.g. a resole type phenolic resin; a chelating agent, e.g. an aliphatic amine; copper powder; and a surfactant, e.g. (modified) rosin, an aminodicarboxylic acid, glycerol or maleic acid.

DESCRIPTOR(S)- Chelating Agents --conductive coatings; Conductive Coatings --copper/chelating agents/surfactants/resins; Copper -- powders, conductive coatings; Surfactants --conductive coatings

CHEMICAL INDEXING- AMINE; COPPER; DICARBOXYLIC ACID; GLYCEROL; PHENOLIC RESIN; MALEIC ACID; RESOLE; ROSIN

SECTIONAL CLASSIFICATION CODE- 64

SECTION HEADING- Paints, etc. for other Specific Uses

14. BAKING TYPE CONDUCTIVE PASTE FOR CERAMIC PART, AND CERAMIC ELECTRONIC PART

ELECTRONIC

PAJ 01-01-96 08036915 JP NDN- 043-0034-5810-3

[IMAGE]

INVENTOR(S)- SHIBUYA, KAZUYUKI; YAGI, JUNICHI

PATENT APPLICATION NUMBER- 06192700

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PUBLICATION NUMBER- 08036915 JP

DOCUMENT TYPE- A

PUBLICATION DATE- 1996-02-06

INTERNATIONAL PATENT CLASS- H01B00116; H01G00412

APPLICANT(S)- TAIYO YUDEN CO LTD

PUBLICATION COUNTRY- Japan

PURPOSE: To provide baking type conductive paste with which adhesive property to a ceramic element body of an external electrode of a multilayer ceramic capacitor and to an internal electrode is improved, an electrostatic capacity failure is prevented, manufacturing of the external electrode is facilitated, glass powder can be decreased, and dispersion of internal electrode nickel to the external electrode can be suppressed, and provide the multilayer ceramic capacitor using this.

CONSTITUTION: Baking type conductive paste containing at least copper powder, nickel boride powder and a binder, and a multilayer ceramic capacitor having an external electrode using this paste are provided. Accordingly, adhesive property to a ceramic element body of the external electrode of multilayer ceramic capacitor and to an internal electrode is improved, an electrostatic capacity failure is prevented, manufacturing of the external electrode is facilitated, glass powder can be decreased, and diffusion of nickel in the internal electrode to the external electrode can be suppressed.

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NO-DESCRIPTORS